

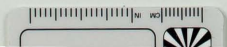
AIM Ann Report
1905 to 1906

ANNUAL REPORT
OF THE
Auckland Institute
AND
MUSEUM
FOR
1905-1906.

Adopted at the Annual Meeting held February 26, 1906

Auckland :
THE BRETT PRINTING AND PUBLISHING CO., LTD., SHORTLAND AND FORT STS.
MDCCCCVI.

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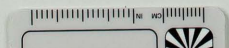
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... OFFICERS ...

OF THE

Auckland Institute,

President:

PROF. F. D. BROWN, M.A.

Vice-Presidents:

PROF. A. P. W. THOMAS, M.A. E. ROBERTON, Esq., M.D.

Council:

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UPTON, J. H., Esq.

Trustees:

BROWN, PROF. F. D. PEACOCK, T., Esq.

UPTON, J. H., Esq.

Secretary and Curator:

T. F. CHEESEMAN, F.L.S., F.Z.S.

Auditor:

W. GORRIE, Esq.

The following

Periodicals and Publications of Societies

Are subscribed to by the Institute :—

NATURE
THE PHILOSOPHICAL MAGAZINE
THE AMERICAN JOURNAL OF SCIENCE
THE ELECTRICIAN
THE PHYSICAL REVIEW
ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE
ANNALEN DER PHYSIK
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES
ANNALS AND MAGAZINE OF NATURAL HISTORY
QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE
ANNALS OF BOTANY
THE BOTANICAL GAZETTE
ENGLER'S BOTANICAL YEAR BOOK
THE GARDENER'S CHRONICLE
THE GEOLOGICAL MAGAZINE
ZEITSCHRIFT DER DEUTSCHEN GEOLOGISCHEN GESELLSCHAFT
THE ECONOMIC JOURNAL
THE LANCET

TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY
THE ZOOLOGICAL RECORD
PUBLICATIONS OF THE RAY SOCIETY
JOURNAL OF THE CHEMICAL SOCIETY
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY
JOURNAL OF THE ROYAL AGRICULTURAL SOCIETY
THE GEOGRAPHICAL JOURNAL
REPORT OF THE BRITISH ASSOCIATION

REPORT OF THE COUNCIL.

IN conformity with the Constitution of the Society, the Council have now to present to the members their thirty-eighth Annual Report on the financial and general condition of the Institute, and its progress during the past year.

Members.—Five new members have been elected during the year, a number considerably below the average. On the other hand, twelve names have been withdrawn from the roll—one from death, six from resignation, and five from non-payment of subscription for more than two consecutive years. There has thus been a net decrease of seven, the total number of members at the present time being 153. The Council regret to announce the death of Mr. L. D. Nathan, who has been connected with the Institute for more than twenty-five years, and who has always been a liberal supporter of its interests. The Council have also to express their regret at the decease of Captain F. W. Hutton, the President of the New Zealand Institute. Captain Hutton has been a most active and zealous supporter of the Institute from the time of its formation in 1868, every volume of the Transactions containing papers or other communications from his pen. In conjunction with the late Mr. Justice Gillies he materially aided in the formation of this branch of the Institute, and although circumstances led to his early removal from Auckland, he always retained his interest in its progress. The Council are anxious to express their recognition of the many services which he has rendered to the cause of science in New Zealand, and their appreciation of the originality and high character of his work.

Finance.—Full information respecting the financial position of the Institute is given in the Balance-sheets appended to this Report, but the following explanatory remarks will doubtless be useful to the members. The gross total revenue of the Working Account has been £1,232 5s. 1d. Deducting from this sum two exceptional items of £150 received on account of the Mackechnie Bequest for the purchase of groups of large animals, and £100 an advance from the Investment Account towards defraying the cost of erecting the Maori House, it will be seen that the ordinary revenue has been £982 5s. 1d., being an increase of £24 3s. on the receipts for the previous year. Examining the separate items, it will be observed that the invested funds of the Costley Bequest have yielded £342 1s. 3d., as against £371 19s. for the previous

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year. The Museum Endowment, in rents and interest, has contributed £351 9s. 11d., being an increase of £11 4s. 1d. on the amount for 1904-1905. £134 10s. 6d. have been transferred from the Mackechnie Library Bequest Account for the purchase of books, and £117 12s. have been derived from members' subscriptions. The total expenditure has been £1,174 1s. 5d., but this includes two exceptional items of £127 14s. 10d. paid on account of groups of mammals, and £115 1s. 9d. for the erection of the Maori House. The credit balance at the Bank of New Zealand at the present time is £58 3s. 8d. The Council have no change to report with respect to the invested funds of the Institute, the total amount of which, £16,263 1s. 8d., is the same as last year. Practically the whole of this sum is invested in mortgage on freehold securities, or in Government or Municipal Debentures.

The Museum Endowment.—There is but little to report under this head. The interest on the various investments has been regularly paid, and from time to time the Crown Lands Board have handed over the rents of those endowments which are leased. The Council regret that there are several allotments in country townships which are apparently unsaleable, and from which no revenue is being obtained.

Meetings.—Seven meetings have been held during the year, at which the following papers were read :—

1. Introductory Address—Nitrogen-fixing Bacteria, with experiments—By the President, Prof. A. P. W. THOMAS, M.A., F.L.S.
2. Rivers and their Work—By E. CLARKE, M.A.
3. Alcohol as a Fuel—By Prof. F. D. BROWN, M.A.
4. Thackeray—By Prof. C. W. EGERTON, M.A.
5. The Story of Radium—By J. H. HOWELL, M.A.
6. Description of a New Grass—By D. PETRIE, M.A.
7. The Winged Pilot of Hawaiki—By Archdeacon WALSH
8. A Find of Kauri Gum at Rangitikei, Wellington—By S. A. R. MAIR.
9. Notes on the Growth of certain Native Trees in the Auckland Domain—By J. STEWART, C.E.
10. The Scenery and Rocks of the Omaha Coast—By H. G. COUSINS, M.A.
11. The Sun—By Prof. H. W. SEGAR, M.A.
12. The Whare Potae, or House of Mourning—By ELSDON BEST.
13. Additions to the New Zealand Fauna—By Rev. W. WEBSTER.

14. Results of Dredging on the Continental Shelf of New Zealand—By Rev. W. WEBSTER.

A selection from the above will appear in the next Volume of Transactions, now in the printer's hands.

Museum.—With the exception of a short period devoted to cleaning and re-arrangement, the Museum has been open daily to the public during the year. The attendance of visitors has been most satisfactory, and is the largest yet recorded. The register kept by the Janitor shows that on Sunday afternoons 20,440 visitors entered the building, being an average of 393 for each Sunday. The greatest attendance was 818 on June 11th, the smallest 157 on October 27th. On the seven principal holidays—New Year's Day, January 2nd, Regatta Day, Good Friday, Easter Monday, King's Birthday, and Boxing Day—the number of visitors was 2583, or an average of 369. On ordinary week days the visitors can only be occasionally counted; and the attendance fluctuates so much that it is not easy to form a reliable estimate, but it is believed that the average daily attendance can be safely given at 125. This would make a total of 38,252 for week-days, or of 61,275 for the whole year. Last year the attendance was estimated at 46,285. It is worthy of remark that the number of visitors during the three hours the Museum is open on Sunday is quite half the total attendance for the remainder of the week.

At the last annual meeting the Council announced the completion of the new building erected out of the grant of £1000 voted by Parliament. The major part of the addition is intended to receive the Maori House Rangitibi, the carved work of which has been in the possession of the Museum for some years. Fair progress has been made with the erection of the house itself. The elaborately carved side-posts have all been set up, and the framework of the roof completed, the rafters having been painted by Maoris from old designs kindly lent by Mr. C. E. Nelson. A large supply of Kakaho, or reeds, has been obtained for the lining of the roof, and many other preparations made. But for the unfortunate destruction of the reed-work panels by fire at Rotorua, where they were being prepared, the house would have been well advanced towards completion. The Council trust, however, that it may yet be finished before the coming winter.

The second group of large stuffed animals provided for by the Mackechnie Bequest has been received during the year and placed on exhibition. It consists of a male and female tiger and leopard, and forms a most attractive addition to the Main Hall. The third group, consisting of a Polar bear and three musk oxen—male, female, and young—is now on its way from England, and will arrive in a few weeks. A fourth group is being prepared, and will

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probably arrive before the end of the year. The two groups at present exhibited have attracted considerable attention, and are no doubt responsible for a large proportion of the increased number of visitors to the Museum.

A considerable amount of work has been done in the Museum during the year. The re-arrangement of the Maori Collection, mentioned in the last report, has been completed, and the whole of the exhibits entered in the detailed catalogue of the Museum now in course of preparation. The whole of the Polynesian ethnographical collections have been examined, catalogued, and a series selected for exhibition. The various articles have been carefully mounted and labelled, and have been placed in a range of show-cases along one side of a new hall intended to accommodate the foreign ethnographical collections. The collection of foreign Vertebrata exhibited in the Main Hall has been completely overhauled, the show-cases cleaned and painted, and the specimens cleaned and catalogued. The duplicate collections of Mollusca, both New Zealand and foreign, have been re-arranged and packed in a form more convenient for consultation.

A full list of all additions and donations to the Museum is appended to the report, but the following deserve special mention : (1) A collection of 4000 Australian and Asiatic Coleoptera and Hemiptera, contained in fourteen store boxes, presented by Mr. Nicholas Atkin, now of Sydney, but a former resident of Auckland ; (2) A large plate-glass show-case containing 35 birds and mammals, mainly from Canada, presented by Mrs. Wigmore ; (3) several of the remarkable carvings made by the Chatham Islanders or Morioris on the trunks of Karaka trees, forwarded by Mr. F. A. D. Cox, of the Chatham Islands ; (4) Several interesting Maori articles presented by Messrs. G. Graham, R. Semadeni, and Capt. G. Mair.

Library.—The increased revenue now derived by the Library from the special bequest of £2,000 made by the late Mrs. Mackechnie, has enabled the Council to order three consignments of books from their London agent. Two of these, containing about 70 volumes, have been received, and the third is now on its way from England. A full list of all books received will be found in the Appendix. In addition to the purchase of books, a large expenditure has been incurred in binding scientific journals, publications of societies, etc. ; over 60 volumes having been added to the Library from that source alone. The scientific periodicals and magazines subscribed to by the Institute, a list of which appears in another part of the Report, have been regularly received, and to some extent circulated amongst the members. The Council have also to acknowledge the receipt of the usual exchanges and presentations from foreign societies, together with a few donations

from private individuals. The question of additional accommodation for the Library now urgently requires consideration. The existing shelf-room is now nearly all occupied, and although the capacity of the room could be largely increased by introducing transverse presses, such a course would at once prevent the use of the room for the meetings of the Institute.

Before concluding the report the Council desire to convey the thanks of the Institute to the numerous donors to the Museum and Library whose names are mentioned in the appended lists. They also wish to tender the special thanks of the Society to the Tyser S.S. Co. and the New Zealand Shipping Company for the free carriage of the groups of mammals obtained under the Mackechnie Bequest. The thanks of the Institute are also due to Mr. C. E. Nelson for his kindness in supervising the construction of various carvings and other material required for the completion of the Maori House, and for much valuable advice connected therewith.



THE TREASURER IN ACCOUNT WITH THE AUCKLAND INSTITUTE AND MUSEUM TRUST BOARD.

WORKING ACCOUNT.

February 23rd, 1905, to February 22nd, 1906.

	£	s.	d.		£	s.	d.
Subscriptions	117	12	0	Balance due Bank of New Zealand, Feb. 23, 1905	29	7	6
Interest from Costley Bequest	342	1	3	Books, Periodicals, Binding	161	4	2
Rents and Interest transferred from Museum Endowment Account	351	9	11	Additions to Museum	19	9	0
Interest transferred from Mackeechnie Library Bequest Account	134	10	6	Museum Requisites	43	0	10
Received on Account of Mackeechnie Bequest for Purchase of Groups of Mammals	150	0	0	Salaries	428	5	6
Advance from Investment Account towards Cost of Erection of Maori House	100	0	0	Printing, Advertising, Insurance, Gas, Stationery, Postages, and other expenses	107	7	5
Interest on Nathan Bequest	5	0	0	Paid on Account of Groups of Mammals	127	14	10
Interest on Life Subscription Account	8	18	1	Paid on Account of Maori House	115	1	9
Refund of Freight on Group of Mammals	21	10	0	Paid in Reduction of Loan for Erection of Statue Hall	100	0	0
Miscellaneous Receipts	1	3	4	Land Tax	32	10	0
				Miscellaneous Payments	10	0	5
				Balance in Bank of New Zealand, Feb. 22, 1906	58	3	8
	£1,232	5	1		£1,232	5	1

February 23rd, 1906.

Examined and found correct.

W. GORRIE, Auditor.

T. F. CHEESEMAM, Treasurer.

THE TREASURER IN ACCOUNT WITH THE AUCKLAND INSTITUTE AND MUSEUM TRUST BOARD.

MUSEUM ENDOWMENT ACCOUNT.

February 23rd, 1905, to February 22nd, 1906

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, Feb. 23, 1905 ..	2	4	7	Transferred to Working Account ..	351	9	11
Sales of Endowments	3	11	0	Transferred to Investment Account ..	5	11	8
Rents of Endowments	73	6	1	Bank Charges	0	10	0
Interest on Investments... ..	275	11	11				
Balance due Bank of New Zealand, Feb. 22, 1906...	2	18	0				
	<u>£357</u>	<u>11</u>	<u>7</u>		<u>£357</u>	<u>11</u>	<u>7</u>

MACKECHNIE LIBRARY BEQUEST ACCOUNT.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, Feb. 23, 1905 ...	36	5	0	Transferred to Working Account for Purchase of			
Interest on Investments... ..	109	10	6	Books	134	10	6
				Bank Charges	0	10	0
				Balance in Bank of New Zealand, Feb. 21, 1906 ...	10	15	0
	<u>£145</u>	<u>15</u>	<u>6</u>		<u>£145</u>	<u>15</u>	<u>6</u>

February 23rd, 1906.

Examined and found correct.

W. GORRIE, Auditor.

T. F. CHEESEMAN, Treasurer.

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INVESTMENTS OF THE AUCKLAND INSTITUTE.

	£	s.	d.	£	s.	d.
I.—COSTLEY BEQUEST—						
On Mortgage on Freehold Security at 5 per cent.	4,000	0	0			
New Zealand Government 4 per cent. Debentures	1,900	0	0			
Dunedin Corporation 4½ per cent. Debentures	1,000	0	0			
On Mortgage on Freehold Security at 5 per cent.	350	0	0			
On Mortgage on Freehold Security at 5½ per cent.	200	0	0			
Waiting Investment ...	50	0	0			
				7,700	0	0
Invested in Site of Museum ...	2,500	0	0			
Expended in Erection of Ethnological Hall ...	1,500	0	0			
Expended in Show Cases and Fittings...	450	0	0			
				4,450	0	0
Total of Costley Bequest ..				12,150	0	0
II.—MUSEUM ENDOWMENT—						
New Zealand Government 4 per cent. Debentures	1,700	0	0			
Harbour Board 4½ per cent. Debentures	1,000	0	0			
Gas Company Debentures	550	0	0			
On Mortgage on Freehold Security at 5 per cent.	1,200	0	0			
On Mortgage on Freehold Security at 5 per cent.	500	0	0			
On Mortgage on Freehold Security at 5 per cent.	350	0	0			
On Mortgage on Freehold Security at 5½ per cent.	420	0	0			
Loan for Purchase and Erection of Maori House ...	261	1	3			
Waiting Investment ...	296	10	5			
				6,277	11	
III.—MACKECHNIE LIBRARY BEQUEST—						
On Mortgage on Freehold Security at 5 per cent.	1,300	0	0			
Dunedin Corporation 4½ per cent. Debentures	700	0	0			
				2,000	0	0
IV.—NATHAN BEQUEST—						
On Mortgage at 5 per cent.				100	0	0
V.—LIFE SUBSCRIPTION ACCOUNT—						
On Mortgage on Freehold Security at 5 per cent.	150	0	0			
Deposited in Auckland Savings Bank ...	35	10	0			
				185	10	0
Total ...				£20,713	1	8
Proportion bearing Interest ...				£16,263	1	8

T. F. CHEESEMAM, Treasurer.

Documents examined and found in order. W. GORRIE, Auditor.

ADDITIONS and DONATIONS

TO THE

LIBRARY AND MUSEUM.

- Parliamentary Papers and Reports; New Zealand Hansard for 1904;
New Zealand Statistics; New Zealand Official Year Book; Annual
Report of the Department of Agriculture; Sollas and Mackay's
Rocks of the Cape Colville Peninsula:—The New Zealand Govern-
ment.
- Transactions of the New Zealand Institute, Vol. 37:—The Manager of
the New Zealand Institute.
- Journal of the Polynesian Society, Vol. 14:—The Society.
- Annual Report of the Department of Mines, New South Wales:—The
Department.
- Annual Report of the Australian Museum for 1904:—The Museum.
- Proceedings of the Royal Society of Victoria, parts of Vols. 17 and 18:—
The Society.
- Report of the Australasian Association for 1904:—The Association.
- Australian Naturalist, Vol. 1:—The Publisher.
- Proceedings of the Royal Society of Queensland:—The Society.
- United States Consular Reports:—The Secretary of State, United
States of America.
- Report of the United States National Museum for 1903; Proceedings
of the United States National Museum, Vol. 28; Bulletin, Nos. 50
and 51:—The Smithsonian Institution.
- Annual Report of the American Museum of Natural History:—The
Museum.
- Annals of the Observatory of Harvard College, Vol. 58:—The Observa-
tory.
- Annual Reports of the Bureau of American Ethnology, Vols. 21 and 22:
—The Bureau.
- Memoirs of the Bishop Museum, Honolulu, Vol. 2, Part I:—The
Museum.
- Publications of the Philippine Weather Bureau; Philippine Journal of
Science:—The Science Bureau, Philippine Islands.
- Various Publications of the University of California:—The University.
- Report of the Geological Survey of Canada for 1903:—The Survey.
- Monthly Reports of the Geological Institute of Mexico:—The Institute.
- Publications of the Observatory of Rio Janeiro for 1904, 1905:—The
Observatory.
- Journal of the Royal Colonial Institute, Vol. 36:—The Royal Colonial
Institute.
- Report of the Solar Physics Observatory for 1904:—The Observatory.
- Symons' Monthly Meteorological Magazine:—The Editor.
- Reports and other Publications of the Deutsche Seewarte:—The
Seewarte.
- Thirty-eight Papers on Mollusca:—Col. H. Godwin-Austen.

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BOOKS PURCHASED.

Spencer & Gillon's Native Tribes of Central Australia.
 Cornish's Life of Sir W. Flower.
 Merrill's Rocks, Rock-weathering, and Soils.
 Nernst's Theoretical Chemistry.
 Geikie's Scenery of Scotland.
 Cambridge Natural History, Vol. 7, Fishes.
 Travers' Study of Gases.
 Watts' Spectrum Analysis.
 Strasburger's Textbook of Botany.
 Suess's Face of the Earth, Vol. 1.
 Comey's Dictionary of Chemical Solubilities.
 Thomson's Applications of Dynamics to Physics.
 Leffelt's Electro-Chemistry, Part I.
 Goebel's Organography of Plants, 2 vols.
 Royal Society's Catalogue of Scientific Papers, Vol. 12.
 Lord Kelvin's Baltimore Lectures.
 Rutherford's Radio-Activity.
 Lord Kelvin's Mathematical and Physical Papers, 3 vols.
 Stokes's Mathematical and Scientific Papers, 5 vols.
 Ewing's Magnetic Induction of Iron.
 Thomson's Electricity and Matter.
 Young's General Astronomy.
 Giffen's Economic Enquiries, 2 vols.
 Hoyer and Kreuter's Technological Dictionary: English, French, German.
 Pfeffer's Physiology of Plants, Vol. 2.
 Ray Lankester's Treatise on Zoology, 4 vols.
 Maspero's Dawn of Civilisation.
 Sylvanus Thompson's Dynamo-Electric Machinery.
 Guppy's Observations of a Naturalist in the Pacific, Vols. 1 and 2.
 History of the Collections in the Natural History Museum, South Kensington.
 Percival Landon's Lhasa, 2 vols.
 Pickering's The Moon.
 Vernon's Variation in Animals and Plants.
 Roscoe and Schorlemmer's Treatise on Chemistry, Vol. 1.
 Moissan's Electric Furnace.
 Weissmann's Evolution Theory, 2 vols.
 Meldola's Chemical Synthesis of Vital Products.
 La Croix's La Montagne Pelée.
 Roozeboom's Heterogenen Gleichgewichte.
 Strasburger's Leitungsbahnen.
 Thomson's Recent Researches in Electricity.
 Index Kewensis, Supplement II.
 De Vries' Species and Varieties: their Origin and Mutations.
 Lord Howe's Island: its Geology, Zoology, and Physical Characters.
 Matthew's Textile Fabrics.
 Duhem's Thermodynamics and Chemistry.
 Dolezalek's Lead Accumulators.
 Browning's Introduction to the Rarer Elements.
 Buller's Supplement to the Birds of New Zealand, Part I.

- British Museum Catalogue of Madreporarian Corals, Vol. 5.
Various Parts of Engler's Pflanzenreich.
Illustrations of Australian Plants collected during Cook's First Voyage.
Tryon's Manual of Conchology, 4 vols.
- Group of Tigers, Male and Female, and Leopard:—Purchased out of the Mackechnie Bequest for Groups of Large Animals.
Glass Show Case, containing 35 Mounted Birds and Animals:—Mrs. Wigmore.
Skull of Australian:—Joan Blyth.
Skin of Albino Teal:—J. W. Hall.
Skin of Banded Rail:—W. Black.
Skin of Albino Pigeon:—W. Fletcher.
Sparrow with enormously enlarged lower mandible:—J. Delbridge.
Collection of Lizards and Snakes from New South Wales:—N. A. Atkin.
New Zealand Shells:—Jas. Wilson.
New Zealand Shells; Coloured Drawing of *Tethys Tryoni*:—Rev. W. Webster.
Glass Bottle Covered with Rock Oysters:—H. Morgan.
Land and Fresh-water Shells from New Britain:—W. H. Warnham.
Fourteen Store Boxes containing 4,000 Specimens of Coleoptera and Hemiptera from various parts of the world:—E. Nicholas Atkin, Sydney.
Hepialus virescens:—W. McInnes.
Hepialus virescens:—E. Waddington.
Coleoptera from the Clarence River, New South Wales:—W. C. Higham.
Large Centipede (*Heterostoma platycephala*):—F. Sefton.
Gordius sp.:—H. Atkins.
Fossil Shells from Ngunguru; Stump of Tree with Coal entangled in the Roots:—A. K. Taylor.
Large Mass of Stalactic Iron Ore:—J. Bailey.
Six Rock Specimens:—J. E. Irvine.
Two polished slices of Jasper:—A. J. Hewitt.
Specimens of Selwynite from Victoria:—A. J. Williamson.
Fossil Shell from Waitakerei:—H. M. Wilson.
Long Maori Fighting Spear:—Captain G. Mair.
Two Ancient Flax-beaters; Maori Spade:—G. Graham.
Six Carvings on Karaka Trunks from the Chatham Islands:—F. A. D. Cox.
Six Maori Stone Axes:—A. Black.
Large Maori Stone Axe from Kenaperu; Greenstone Axe:—J. W. Handley.
Worked Stones found on sand hills near Mount Maunganui, Tauranga; —C. A. Semadeni and G. A. Ward.
Ancient Wooden Bowl; Fern Pounder:—N. A. Hunt.
Carved Canoe-baler:—J. Stanley Carr.
Model of Santa Cruz Canoe:—Rev. W. C. O'Ferrall.
Tapa from New Caledonia:—J. Burt.
Chinese Headstone:—Joan Blyth.
Collection of Prehistoric Arrow-heads, Lance-heads, etc., found in the Egyptian Desert:—Col. Seton-Karr.
Silver Coin:—R. Irving.
Two Copper Coins:—P. Black.

LIST OF MEMBERS

For the Year ending March 31, 1906.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS*]

Adams, J., B.A., Thames
Aickin, G., Auckland
Arnold, C., Auckland
Aubin, E. D., M.B., Thames

Bagnall, L. J., Auckland
Bakewell, R. H., M.D., Auckland
Ball, W. T., Auckland
Bankart, A. S., Auckland
Bartley, E., Devonport
*Bates, T. L., Newcastle, N.S.W.
Batger, J., Auckland
Beere, D. M., C.E., Auckland
Best, Elsdon, Te Whaiti
Brett, H., Auckland
Broun, Captain T., F.E.S., Drury
Brown, E. C., Taumarunui
Brown, Prof. F. D., Auckland
Brown, J., Epsom
Buchanan, J., Auckland
Burgess, E. W., Devonport
*Burton, Colonel, Lake Takapuna
Busek, A., Auckland

Cameron, R., Auckland
Campbell, H., Auckland
*Campbell, Sir J. L., M.D., Auckland
Carey, M. F., Auckland
Carr, R. A., Auckland
Casey, M., Auckland
Cheal, P. E., Auckland
Cheeseman, T. F., F.L.S., Auckland
Cheeseman, H. H., M.R.C.S., Coromandel
Ching, T., Remuera
Clark, H. C., Auckland
Clark, M. A., Auckland
Clarke, E., Auckland
Cochrane, W. S., Auckland
Coomes, F. H., Auckland
Cooper, C., Auckland

Cooper, Mr. Justice, Wellington
Cozens, G., Auckland
Craig, J. J., Auckland
Cummings, H., Auckland

Danneferd, S., Auckland
Darby, P., Auckland
Douglas, W. S., Auckland
Duthie, D. W., Auckland

Edson, J., Devonport
Egerton, Prof. C. W., Auckland
Ewington, F. G., Auckland

Florance, R. S., Russell
*Fowlds, G., M.H.B., Auckland
Fregley, J.P., M.D., Auckland

George, G., Auckland
Gilbert, T., Parnell
Girdler, Dr., Auckland
Goldie, D., Auckland
Gordon, H. A., Auckland
Gorrie, W., Auckland
Gray, S., Auckland

Haines, H., F.R.C.S., Auckland
Hamer, J. H., C.E., Auckland
Hardie, J., Auckland
Haszard, H. D. M., Thames
Hazard, W. H., Auckland
Henry, J., Auckland
Henry, W., Auckland
Herbert, T., Parnell
Howden, J., Auckland
Howell, J. H., B.Sc., Auckland
Hunter, A. J., Parnell

Johnson, H. D., Te Aroha
Jones, H. W., Papakura
Kenderdine, J., Auckland

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Kidd, A., M.H.B., Auckland
Kirker, J., Auckland
*Kitt, T. W., London
Kronfeld, G., Auckland

Langguth, E., Auckland
Larner, V. J., Auckland
Lennox, J. M., Auckland
*Lennox, W. G., Sydney
Leys, T. W., Auckland
Lundon, J. R., Auckland
Lyell, W. S., Parnell

McMillan, C. C., Auckland
Mahoney, T., Auckland
Mair, Captain G., Thames
Mair, S. A. R., Rangitikei
Mair, Major W. G., Auckland
Martin, J., F.G.S., Auckland
Masefield, T. T., Auckland
McLean, M., Auckland
McDowell, W. C., M.D., Auckland
McLachlan, J. M., Auckland
Miller, E. V., Chelsea
Moody, T. P., Hikurangi
Morton, H. B., Auckland
Mulgan, A. K., Auckland
Munro, G. C., Sandwich Islands
Murdoch, D. L., Auckland
Myers, A. M., Auckland

Newton, G. M., Auckland
Neil, J. H., Auckland
Nicholson, O. R., Auckland

Pabst, Dr., Auckland
Parker, W. F., Auckland
Partridge, H. E., Auckland
Patterson, G. W. S., Auckland
Peacock, T., Auckland
Petrie, D., F.L.S., Auckland
Phileox, W., Devonport
Pond, J. A., Auckland
Purchas, Rev. A. G., M.R.C.S.,
Auckland
Purdie, E. C., Auckland
Pycroft, A. T., Auckland

Reid, J., Auckland
Robertson, E., M.D., Auckland

Seegner, C., Auckland
Segar, Prof. H. W., Auckland
Shakespear, R. H., Little Barrier
Shaw, H., Auckland
Sinclair, A., Auckland
Smith, H. G. S., Auckland
Smith, S. P., F.R.G.S., Taranaki
Smith, T. H., Auckland
Speight, W. J., Auckland
Spencer, W. C. C., Auckland
Stewart, J., C.E., Auckland
Stopford, R., M.D., Auckland
Streeter, S. C., Auckland
Suter, H., Auckland

Talbot-Tubbs, Prof. H. A., Auckland
Tewsley, H. C., Auckland
Thomas, Prof. A. P. W., F.L.S.,
Auckland
Thompson, F. K., Auckland
Tibbs, J. W., Auckland
*Tinne, H., London

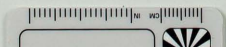
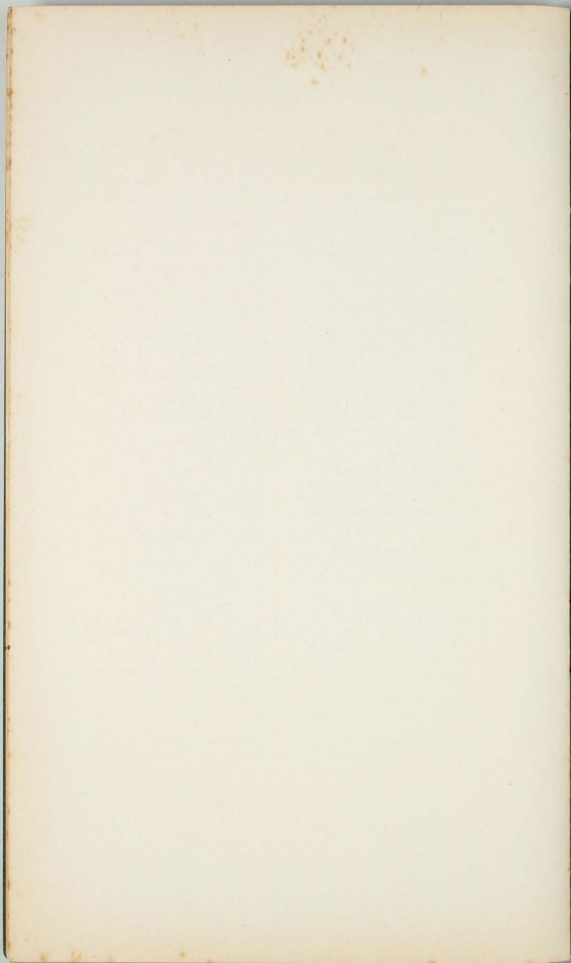
Upton, J. H., Auckland
Urquhart, A. T., Karaka

Vaile, E. E., Auckland

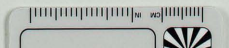
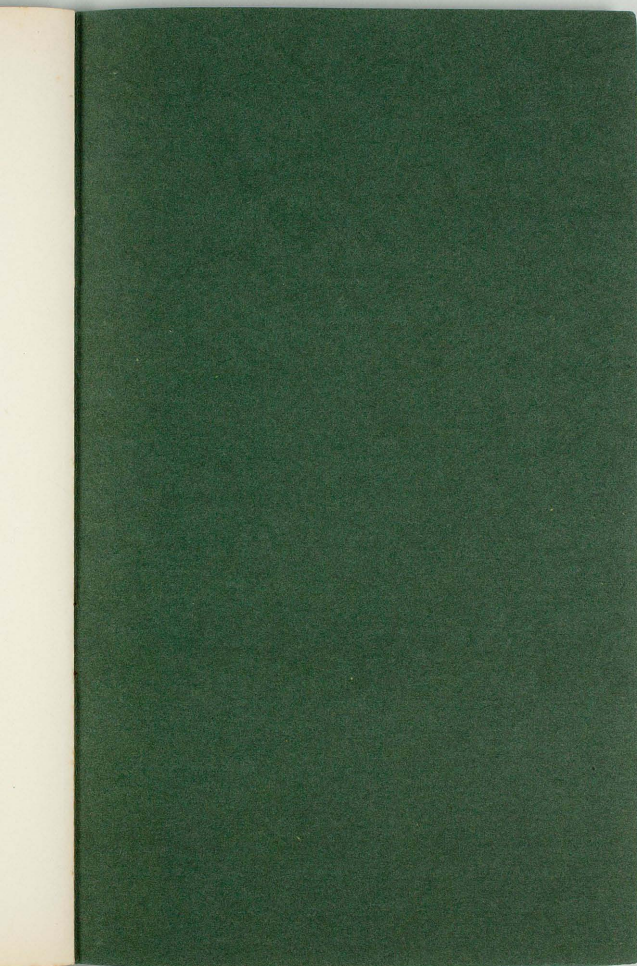
Walsh, Archd. P., Waimate
Waterworth, A., Auckland
Ward, P., Auckland
Webster, J., Hokianga
Webster, Rev. W., Waiuku
*Weetman, S., F.R.G.S., London
Will, W., Auckland
Williams, Right Rev. W. L.,
Bishop of Waiapu, Napier
Wilson, A. P., Auckland
Winter, N. A., Onehunga
*Withy, E., Opotiki

Yates, E., Auckland
Young, J. L., Auckland

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